AS

TS

Orginal/Duplicate/Triplicate

Est. Cost : 35.00 Lakhs

CONTRACT CERTIFICATE

(for Other Works)

No : First and Final

Date .....20.....

Division : Dasarahalli Division

Sub-Division: T Dasarahalli Sub Division

Bill Received No. .....Dated.....Cash Book Vocher No.....dated.....

Schedule Doctet No.

Head of Account :

Job Code No: 015-21-000007

Name of Work: Name of the work :- Sinking of Borewells and Providing Pumps and Motors and Laying of Pipeline at T. Dasarahalli Ward No 15

Name of Contractor and Full address : Sri. Gnanendra Murthy M D, Contrator Bangalore.

Work Order No: EE/DD/WO/42/2022-23

Date: 01.07.2022

Certified that the measurments were taken by me on 29/07/22 and recorded of Pages 414143 to 414150 of measurment Book No. 4142/15-16 and that the work is satisfactorily executed

Contractor

Officer-in-charge of work

Cetified that measurments were taken by me on 29/07/22 .....and found correct.

The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account ii have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed by the contractor is recorded in the office.

Sub- Division Officer

If Memorandum of Payment

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

1) Total value of work done or suppliers made as per account with in
2) Deduct amount to be held in reserve being .....Present Rs.....
3) " Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Vocher No.....
   dated.....less adjustments
7) Net amount due to or from comtractor
   unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

I st and Final Bill →	32,40,667-00	
IT →	32407-00	240701/-
LWC →	32407-00	
CBF →	3241-00	
Rty →	17556-00	
FSD →	97220-00	
CesT →	28935-00	
SesT →	28935-00	
Net →	29,99,966/-	

Contractor's Signature

Received Rs.....(in words)

Audited and admitted for Rs 3240667/-

Passed by Cheque for Rs 2999966/-

by cash and by adjustment of Payment as per memorandum

Witnesses:

1 Twenty nine Lakhs ninety nine thousand nine hundred and Sixty Six Rupees only

by adjustment Rs 240701/-

2

Dated.....Signature of contractor

Accounts Superintendent Exe. Engineer

Paid by me by cheque No. B.B.M.P. Dasarahalli Division

Cash Rs.....Dated.....

Stamp

Initials of Officer making Payment

Executive Engineer

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BRUHAT BANAGLORE MAHANAGARA PALIKE

DASARAHALLI DIVISION

Name of the work :- Sinking of Borewells and Providing Pumps and Motors and Laying of Pipeline at T. Dasarahalli Ward No 15

1st and Final

SI No	Description of Item	Unit	Apporved Schedule-B			Previous Measurement		Present Measurement			Up to date Qty	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc ,(Page	Each	3.00	3681.34	11044.02	0.00	0.00	3.00	3681.34	11044.02	3.00	11044.02
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) (Page no.148,item no.13.01 ,RWS SR-Banagalore Circle-2019-2020)	Each										
	00 to 50 m	Each	150.00	339.02	50853.00	0.00	0.00	150.00	339.02	50853.00	150.00	50853.00
3	50 to 100 m	Each	150.00	431.83	64774.50	0.00	0.00	150.00	431.83	64774.50	150.00	64774.50
4	100 to 150 m	Each	150.00	445.51	66826.50	0.00	0.00	150.00	445.51	66826.50	150.00	66826.50
5	150 to 200 m	Each	150.00	523.67	78550.50	0.00	0.00	150.00	523.67	78550.50	150.00	78550.50
6	200 to 250 m	Each	150.00	619.42	92913.00	0.00	0.00	150.00	619.42	92913.00	150.00	92913.00
7	250 to 300 m	Each	150.00	683.90	102585.00	0.00	0.00	150.00	683.90	102585.00	150.00	102585.00
8	300 to 350 m	Each	150.00	806.03	120904.50	0.00	0.00	109.00	806.03	87857.27	109.00	87857.27

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SI No	Description of Item	Unit	Apporved Schedule-B			Previous Measurement		Present Measurement			Up to date Qty	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
9	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes. All shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.(exclusive of all taxes and duties).prices include Collar-Medium duty. 175mm dia x 5.4mm thick (Page no.338,item no.15.85 ,RWS SR-Banagalore Circle-2019-2020)	Rmt	150.00	1294.53	194179.50	0.00	0.00	150.00	1294.53	194179.50	150.00	194179.50
10	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction	Rmt	18.00	1117.69	20118.42	0.00	0.00	0.00	1117.69	0.00	0.00	0.00
11	Providing and laying at site of work175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (Page no.338,item no.15.87 ,RWS SR-Banagalore Circle-2019-2020)	Each	3.00	97.70	293.10	0.00	0.00	3.00	97.70	293.10	3.00	293.10
12	Supply & delivery at site suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 17.5HP/13KW 35stage (P.NO-XLII, I.NO-50, PWD SR-2018-19)	No,s	3.00	72171.97	216515.91	0.00	0.00	3.00	72171.97	216515.91	3.00	216515.91

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SI No	Description of Item	Unit	Apporved Schedule-B			Previous Measurement		Present Measurement			Up to date Qty	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
13	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe (PWD SR-2018-19, P.No.92 I.no. 13.6)	Rmt	900.00	500.22	450198.00	0.00	0.00	882.00	500.22	441194.04	882.00	441194.04
14	Supply of 50mm M.S collars (PWD SR-2018-19, P.No.XLVII Sl.no.2)	Each	153.00	195.40	29896.20	0.00	0.00	150.00	195.40	29310.00	150.00	29310.00
15	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS: 8130-1984. and virgin grade PVC Sheated Suitable for working voltage upto 1100 Volts as per IS:694:1990. 3C X 6.0Sq.mm (P.NO-07, I.NO-2.6.4, PWD Electrical SR 19-20,Bangalore circle)	Mtr	1920.00	200.29	384556.80	0.00	0.00	1920.00	200.29	384556.80	1920.00	384556.80
16	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No,s	3.00	14459.60	43378.80	0.00	0.00	3.00	14459.60	43378.80	3.00	43378.80
17	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-30, I.NO-5.42.1, PWD SR Electrical 19-20,Bangalore circle)	Sqcm	66000.00	0.39	25740.00	0.00	0.00	66000.00	0.39	25740.00	66000.00	25740.00
18	Providing & Fixing of clamps set and borewell cap to the pump (MR) (P.NO-XLVII, SI.NO-17, PWD SR-2018-19)	Set	3.00	1758.60	5275.80	0.00	0.00	3.00	1758.60	5275.80	3.00	5275.80

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Sl No	Description of Item	Unit	Approved Schedule-B			Previous Measurement		Present Measurement			Up to date Qty	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
19	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm . (Page no.129,item no.12.06 (a) ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	1147.98	3443.94	0.00	0.00	3.00	1147.98	3443.94	3.00	3443.94
20	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm (Page no.129,item no.12.05 (a) ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	1162.63	3487.89	0.00	0.00	3.00	1162.63	3487.89	3.00	3487.89
21	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any. (Page no.335,item no.15.74.5 ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	229.60	688.80	0.00	0.00	3.00	229.60	688.80	3.00	688.80
22	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. (Page no.335,item no.15.78.5 ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	170.98	512.94	0.00	0.00	3.00	170.98	512.94	3.00	512.94
23	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.(Page no.33,item no.15.73.5 ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	170.98	512.94	0.00	0.00	3.00	170.98	512.94	3.00	512.94
24	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. (Page no.130,item no.12.16 ,RWS SR-Banagalore Circle-2019-2020)	Job	3.00	5520.05	16560.15	0.00	0.00	3.00	5520.05	16560.15	3.00	16560.15
25	Labour charges for erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc,complete as per specification, with testing of as per instructions of engineer incharge of work. (Page no.130,item no.12.17 ,RWS SR-Banagalore Circle-2019-2020)	No,s	3.00	1101.08	3303.24	0.00	0.00	3.00	1101.08	3303.24	3.00	3303.24

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Sl No	Description of Item	Unit	Apporved Schedule-B			Previous Measurement		Present Measurement			Up to date Qty	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
26	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amps DP (P.NO -27, I.NO - 5.17.5, ,PWD Electrical SR 19-20,Bangalore circle)	Each	3.00	1305.27	3915.81	0.00	0.00	3.00	1305.27	3915.81	3.00	3915.81
27	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 40, I.NO - 6.4.4,PWD Electrical SR 19-	Mtr	105.00	146.55	15387.75	0.00	0.00	105.00	146.55	15387.75	105.00	15387.75
28	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (As per Civil SR KSRB I-2,P-7)(P.NO -41, I.NO -6.6.1,,PWD Electrical SR 19-	Mtr	105.00	74.25	7796.25	0.00	0.00	105.00	74.25	7796.25	105.00	7796.25
29	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO -41, I.NO -6.9.1, PWD Electrical SR 19-20,Bangalore circle)	Mtr	9.00	327.3	2945.70	0.00	0.00	9.00	327.30	2945.70	9.00	2945.70
30	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. (Page no.131,item no.12.23 ,RWS SR-Banagalore Circle-2019-2020)	Job	3.00	3549.4400	10648.32	0.00	0.00	3.00	3549.44	10648.32	3.00	10648.32
31	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc 6.10.2 16Sqmm	No,s	3.00	485.57	1456.71	0.00	0.00	3.00	485.57	1456.71	3.00	1456.71
32	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3phase 400/440 volts grade,for power Factor improvement of roating machinery like indution motor (P.NO -29, I.NO -5.37, PWD Electrical SR 19-20,Bangalore circle)	KVAR	3.00	390.80	1172.40	0.00	0.00	3.00	390.80	1172.40	3.00	1172.40
33	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches (P.NO - 24, I.NO -5.6.6, PWD Electrical SR 19-20,Bangalore circle)	Each	3.00	285.28	855.84	0.00	0.00	3.00	285.28	855.84	3.00	855.84

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Sl No	Description of Item	Unit	Approved Schedule of Rates			Measurement		Quantity	Rate	Amount	Quantity	Amount
			Qty	Rate	Amount	Qty	Amount					
34	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete	Cum	392.85	309.65	121646.00	0.00	0.00	383.79	309.65	118840.57	383.79	118840.57
35	Providing and installing at Site of work P.V.C Pipes including cost of Pipes and Specials and labour including lowering intotrenches laying true to line level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, earth work from the excavation etc complete PVC pipes of 6 kg/Cm - 63mm Outer dia	Rmt	582.00	151.44	88138.08	0.00	0.00	578.00	151.44	87532.32	578.00	87532.32
36	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour,	Cum	43.65	5769.66	251845.66	0.00	0.00	43.65	5769.66	251845.66	43.65	251845.66
37	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). &= Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator	Cum	65.48	5864.23	383989.78	0.00	0.00	65.48	5864.23	383989.78	65.48	383989.78
38	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9	Cum	283.73	208.16	59061.24	0.00	0.00	268.65	208.16	55922.81	268.65	55922.81
					2935972.99						Total :-	28,66,667.561
											GST 12% :-	3,44,000.107
											Grand Total :-	32,10,667.669

KPTCL deposit charges Total 30,000-00 32,40,667-66

Asst. Engineer
Ward No-15
BBMP Banglore

Asst. Executive Engineer
T.Dasarahalli Sub Division
BBMP Banglore

Executive Engineer
Dasarahalli Division
BBMP Banglore

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